

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Barinder Singh Rai, et al.

Group Art Unit: Not Yet Assigned

Serial No.: Unknown

Examiner: Not Yet Assigned

Filed: Herewith

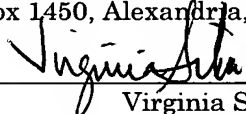
Title: Low Overhead Read Buffer

CERTIFICATION UNDER 37 CFR 1.10

"Express Mail" Mailing Label Number: EV311301526US

I hereby certify that this Information Disclosure Statement, and the documents referred to as enclosed therein are being deposited with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee" under 37 CFR 1.10 on the date indicated below and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450".

Dated: July 10, 2003


Virginia Silva**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. §1.56, and in accordance with the practice under 37 C.F.R. §1.97 and §1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed information are also enclosed.

This Information Disclosure Statement is being filed within three months of the U.S. filing date or before the mailing date of a first Office Action on the merits. No statement or fee is required (37 CFR §1.97(b)).

CONCLUSION

The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any over-payment to Deposit Account No.: 19-2746.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be initialed and returned indicating that such information has been considered.

Respectfully submitted,



Michael T. Gabrik
Registration No. 32,896

Please address all correspondence to:

Epson Research and Development, Inc.
Intellectual Property Department
150 River Oaks Parkway, Suite 225
San Jose, CA 95134
Customer No. 20178
Phone: (408) 952-6000
Facsimile: (408) 954-9058
Date: July 10, 2003

Unknown

VP070

INFORMATION DISCLOSURE CITATION
(USE SEVERAL SHEETS IF NECESSARY)
PAGE 1 OF 1

APPLICANT(S)

Barinder Singh Rai, et al.

FILING DATE

Herewith

GROUP

Not Yet Assigned

U.S. PATENT DOCUMENTS

E.I.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
AA	2002/0135817	9/26/02	Wang			
AB	6,401,186	6/4/02	Blodgett			
AC	6,370,611	4/9/02	Callison, et al.			
AD	6,219,745	4/17/01	Strongin, et al.			
AE	6,075,740	6/13/00	Leung			
AF	5,883,855	3/16/99	Fujita			
AG	5,761,706	6/2/98	Kessler, et al.			
AH	5,659,713	8/19/97	Goodwin, et al.			
AI	5,499,355	3/12/96	Krishnamohan, et al.			
AJ	5,461,718	10/24/95	Tatosian, et al.			
AK	5,146,582	9/8/92	Begun			

FOREIGN PATENT DOCUMENTS

E.I.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
AL	11-65920	3/9/99	Japan			Abstract
AM						
AN						
AO						
AP						
AQ						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AR	Toshio Sunaga, et al., "An Eight-Bit Prefetch Circuit for High-Bandwidth DRAMS's", <i>IEEE Journal of Solid-State Circuits</i> , Vol. 32, No. 1, January 1997, pp. 105-110.
AS	Toshio Sunaga, et al., "A Full Bit Prefetch Architecture for Synchronous DRAM's", <i>IEEE Journal of Solid-State Circuits</i> , Vol. 30, No. 9, September 1995, pp. 998-1005
AT	Thomas Glerup, et al., "Memory Architecture for Efficient Utilization of SDRAM: A Case Study of the Computation/Memory Access Trade-Off", <i>Proceedings of the Eighth International Workshop on Hardware/Software Codesign</i> , 2000, pp. 51-55

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.